

ABSTRACT OF THE DISCLOSURE

A fast time-sequential color separator that can fast-switch to output various wavelength ranges of lights having high color purity and a high contrast ratio, which includes : a prism module to separate an incident light into various wavelength ranges of light beams which are emitted from various prisms of the prism module; a plurality of ferroelectric liquid crystal panels, respectively placed on emerging surfaces of the various wavelength ranges of light beams, to reflect the various wavelength ranges of light beams to the prism module; and a power supply, respectively connected to the plurality of ferroelectric liquid crystal panels, to fast-switch the liquid crystal panels, respectively, to sequentially emit the various wavelength ranges of light beams from the prism module. Furthermore, a full color LCD projector can be constructed by the color separator, a transmissive or reflective fast response display element such as a liquid crystal light valve, and other elements such as micro-mirrors, etc.